

## NCPV Hotline — Week of April 2-8, 2007

### Weekly News Items

Some of the following news items are available as Adobe Acrobat PDFs. [Download Adobe Reader](#).

The National Center for Photovoltaics (NCPV), the National Renewable Energy Laboratory's (NREL's) center for PV research maintains an international communications system called the NCPV Hotline. The Hotline increases knowledge and awareness of PV industry and research happenings. Hotline participants receive important news items via email related to PV activities around the world. The contents have been relatively uncensored, because we depend on the good judgment of the contributors to separate fact from rumor.

#### (Links may expire)

Current and archived NCPV Hotline issues <link to [http://www.nrel.gov/pv/news\\_hotline.html](http://www.nrel.gov/pv/news_hotline.html)>

Disclaimer <link to [http://www.nrel.gov/pv/hotline/news\\_hotline\\_disclaimer.html](http://www.nrel.gov/pv/hotline/news_hotline_disclaimer.html)>

Subscribe/Unsubscribe: Email name, organization, and e-mail address to [Carol Riordan](mailto:Carol_Riordan@nrel.gov) <[mailto:Carol\\_Riordan@nrel.gov](mailto:Carol_Riordan@nrel.gov)> at NREL

#### 4-2-07 PowerLight Agreement for Solar Power Plant, Spain

PowerLight announced that its Swiss subsidiary, PowerLight Systems S.A. has entered into an agreement with Agrupacion Solar Llerena-Badajoz 1, A.I.E. and Solarpack Corporacion Tecnologica, S.L. to design and build a solar electric power plant in Llerena, Spain, with an expected peak power of 4.8 MW. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUPR341.htm> and RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/news/story?id=47981>  
PowerLight: <http://www.powerlight.com/>  
Agrupacion Solar: <http://www.agrupacionsolar.com/>  
Solarpack: <http://www.solarpack.es/>

#### 4-2-07 Trina Solar Cell Line

Trina Solar Limited announced the successful commercial launch of its newly installed 50 MW solar PV cell line. Press at: <http://www.marketwatch.com/News/Story/Story.aspx?guid=%7BE214F00D%2D97F5%2D487C%2DB58A%2D11D61521E25C%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/ywagbe>  
Trina Solar: <http://www.trinasolar.com/front/en/home.php>

#### 4-2-07 JA Solar and Canadian Solar Agreement

JA Solar Holdings Co., Ltd. and Canadian Solar Inc. announced a supply agreement valued at approximately US\$50-\$60 million from April to December 2007. Under the agreement, JA Solar will supply solar cells to CSI for solar modules. Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsASCO103.htm>  
JA Solar: <http://www.jasolar.com/>  
CSI: <http://www.csisolar.com/>

#### 4-2-07 juwi solar PV Projects, Germany

German system integrator juwi solar GmbH has completed the construction of a 6-MW solar project named Rote Jahne located in the district of Delitzsch northeast of Leipzig. The company has also started installation of a 40-MW solar power station in the district of Muldentalkreis, which by the end of 2009 will have over 550,000 thin-film modules from First Solar. Story and photo at Solarbuzz: <http://www.solarbuzz.com/news/NewsEUPR340.htm>  
juwi: <http://www.juwi.de/>  
First Solar: <http://www.firstsolar.com/>

#### **4-2-07 Manz Automation / Synova Agreement**

Manz Automation AG and Synova SA announced an exclusive technology licensing agreement. Manz will integrate Synova's LaserMicroJet® technology into its advanced manufacturing equipment for PV applications. Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUMA153.htm>  
Synova: <http://www.synova.ch/Flash/intro.html>  
Manz Automation: <http://www.manz-automation.com/statisch/english/home/index.htm> or <http://tinyurl.com/2ppn72>

#### **4-2-07 Solar Roofing Systems**

Soprema, Inc. announced a partnership with Pfister Energy to develop integrated solar roofing systems. The companies say that the strategic alliance will greatly advance the building of integrated renewable systems that impact the future of roofing and waterproofing in commercial, industrial and institutional projects. Story at Solarbuzz: <http://www.solarbuzz.com/news/NewsNACO548.htm>  
Soprema: <http://www.soprema.us/>  
Pfister Energy: <http://www.pfisterenergy.com/>

#### **4-2-07 JSX Solar Feasibility Study**

JSX has commissioned a preliminary feasibility study to assess the economic viability of a full-scale solar energy project on one of its petroleum concessions in northwest Thailand. Press at: <http://www.marketwatch.com/News/Story/Story.aspx?guid=%7BDA5E2116%2D4279%2D43A3%2D8937%2D0C5DB5C2BC7F%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/29zxbc>  
JSX Energy: <http://www.jsxenergy.com/>

#### **4-2-07 Spire Corporation Results / Teaming Agreement**

Spire Corporation reported revenues for the year ended 31 December 2006. Press at: <http://www.marketwatch.com/News/Story/Story.aspx?guid=%7B6D6FE924%2D949F%2D4E16%2D8B4D%2D0F686515E021%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/2mvxtg>  
Spire Corporation announced that it has entered into a Teaming Agreement with KUKA Schweissanlagen GmbH to combine its machine technology to address the growing demand for fully automated large-scale PV manufacturing lines. Press at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/partner/story?id=47966> or <http://tinyurl.com/27skcf>  
Spire: <http://www.spirecorp.com/>  
KUKA: <http://www.kuka.de/>

#### **4-2-07 EURO-Solar Regional Aid Programme [Wolfgang Palz]**

The EURO-Solar Programme is a European Commission initiative that aims to reduce poverty, allowing remote rural communities currently without access to electricity to benefit from renewable electric energy. Approved in May 2006, the Programme's total budget is 30 million Euro, of which 6 million will be provided by the Programme's eight beneficiary countries. Dr. Wolfgang Palz is the EU Commission's expert for the Programme. For more on this Programme, see:

[http://ec.europa.eu/europeaid/where/latin\\_america/regional\\_cooperation/euro-solar/index\\_fr.htm](http://ec.europa.eu/europeaid/where/latin_america/regional_cooperation/euro-solar/index_fr.htm) or <http://tinyurl.com/23jxxs>

An article titled "Renewable energies: On their way to conquer world markets", by Dr. Wolfgang Palz is being published in The Commonwealth Ministers Reference Book – 2007.

Commonwealth Secretariat: <http://www.thecommonwealth.org/>

The World Council for Renewable Energy: <http://www.wcre.org/>

#### **4-2-07 Carmanah Solar Lighting**

Carmanah's Solar LED Lighting Group has received an order from the US Marine Corps for 60 of its GI-10W dual solar-powered lighting units. Press at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/partner/story?id=47978> or <http://tinyurl.com/29vu75>

Carmanah also received an order from the US Air Force to supply 144 of its A601 solar-powered LED lights for use as portable airfield lighting. Press at:

<http://www.renewableenergyaccess.com/rea/partner/story?id=47977> or <http://tinyurl.com/22d2zf>

Carmanah: <http://www.carmanah.com/>

Aviation Lighting Division: <http://www.solarairportlights.com/>

#### **4-2-07 PV Systems Data [SEPA Newsletter]**

The California Energy Commission has a list of the largest PV systems in California:

[http://www.energy.ca.gov/renewables/large\\_solar\\_pv.html](http://www.energy.ca.gov/renewables/large_solar_pv.html)

See a statewide summary at: [http://www.energy.ca.gov/renewables/emerging\\_renewables/GRID-CONNECTED\\_PV.PDF](http://www.energy.ca.gov/renewables/emerging_renewables/GRID-CONNECTED_PV.PDF) with additional information at:

[http://www.energy.ca.gov/renewables/emerging\\_renewables/index.html](http://www.energy.ca.gov/renewables/emerging_renewables/index.html) and

<http://www.sdenergy.org/ContentPage.asp?ContentID=279&SectionID=276&SectionTarget=35>

SEPA has begun keeping a list of easily accessible state-level PV data (CA, MN, NJ, NY, US):

<http://www.solarelectricpower.org/index.php?page=installation>

#### **4-2-07 Inverter Workshop**

To help meet the goals of the Solar America Initiative, the U.S. DOE is holding a workshop for interested parties to identify and prioritize lists of potential inverter and energy management research topics for inclusion in a proposed funding opportunity announcement, entitled Research and Development for Advanced Integrated Inverter and Energy Management Technologies. The workshop is open to the public and is set for 19 April 2007. Information can be found at:

[http://www.eere.energy.gov/solar/solar\\_america/inverter\\_workshop\\_041907.html](http://www.eere.energy.gov/solar/solar_america/inverter_workshop_041907.html)

#### **4-2-07 Renewable and Distributed Systems Integration Funding Opportunity Announcement**

The U.S. Department of Energy, National Energy Technology Laboratory intends to issue on behalf of the DOE Office of Electricity Delivery and Energy Reliability, a Funding Opportunity Announcement entitled, Office of Electricity Delivery and Energy Reliability Research and Development. Applications for project awards resulting from this Opportunity must be submitted under one of two program areas of interest: 1) Secure Control Systems for the Energy Sector, or 2) Renewable and Distributed Systems Integration.

Information at: [https://e-](https://e-center.doe.gov/doebiz.nsf/d76fbc294818822885256d98006c63b6/edc87d64a52cf477852572a300620b34?OpenDocument)

[center.doe.gov/doebiz.nsf/d76fbc294818822885256d98006c63b6/edc87d64a52cf477852572a300620b34?OpenDocument](https://e-center.doe.gov/doebiz.nsf/d76fbc294818822885256d98006c63b6/edc87d64a52cf477852572a300620b34?OpenDocument) or <http://tinyurl.com/29hr67> See Program # 2. Renewable and Distributed Systems

Integration

NETL Posting: <http://www.netl.doe.gov/business/solicitations/index.html>

<http://www.netl.doe.gov/business/solicitations/index.html#noi> See March 19 Opportunity Announcement

OE Offices: Electricity Delivery & Energy Reliability:

<http://www.oe.energy.gov/>

Overview of the Electric Grid: <http://www.energetics.com/gridworks/grid.html>

#### **4-2-07 DOE Offices' Best Practices for Distributed Energy Interconnection Procedures [SEPA Newsletter]**

The U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) and Office of Electricity Delivery and Energy Reliability (OE) have jointly developed voluntary "best practices" for use by States in implementing interconnection requirements that allow for simple connection of distributed energy technologies to the electric grid. See:

[http://www.eere.energy.gov/solar/pdfs/doe\\_interconnection\\_best\\_practices.pdf](http://www.eere.energy.gov/solar/pdfs/doe_interconnection_best_practices.pdf)

#### **4-2-07 DayStar Board of Directors**

DayStar Technologies, Inc. announced that Kevin Flannery has joined the company's board of directors.

Press at:

<http://www.marketwatch.com/News/Story/Story.aspx?guid=%7BC7739C05%2DC110%2D4F9F%2D87C3%2D68D24AE1329B%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/2xclhg>

DayStar: <http://www.daystartech.com/>

#### **4-2-07 Research and Markets Semiconductor Report**

Research and Markets announced the addition of "Semiconductor and Related Device Manufacturing Industry in the U.S. and its Foreign Trade (1996-2008)" to its offering. Press at:

<http://www.marketwatch.com/News/Story/Story.aspx?guid=%7B908FE87F%2D8BEC%2D40B2%2D90F1%2DDBBA22BB2AC02%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/2pclz6>

Research and Markets: <http://www.researchandmarkets.com/reports/c53207>

### ***In related solar news...***

#### **4-2-07 Concentrating Solar Power Plant, Spain**

According to this press, Europe's first commercial concentrating solar power plant has been inaugurated in the southern Spanish city of Seville. Abengoa manages the 11 MW plant, which was partly funded by the EU's Fifth Framework Programme. Press at:

[http://cordis.europa.eu/fetch?CALLER=EN\\_NEWS&ACTION=D&SESSION=&RCN=27424](http://cordis.europa.eu/fetch?CALLER=EN_NEWS&ACTION=D&SESSION=&RCN=27424) or

<http://tinyurl.com/232dp7>

<http://www.peopleandplanet.net/doc.php?id=2998>

<http://www.ens-newswire.com/ens/mar2007/2007-03-30-02.asp> or <http://tinyurl.com/yw8jbd>

Abengoa: <http://www.abengoa.es/>

Solucar: <http://www.solucar.es/>

Concentrated Solar Power: [http://ec.europa.eu/research/energy/nn/nn\\_rt/nn\\_rt\\_cs/article\\_1114\\_en.htm](http://ec.europa.eu/research/energy/nn/nn_rt/nn_rt_cs/article_1114_en.htm) or <http://tinyurl.com/27njt4>

GIS Assessment of Solar Resource: <http://re.jrc.ec.europa.eu/pvgis/>

#### **4-2-07 EnviroMission Bid, Texas Electricity**

EnviroMission has lodged a bid in a competitive tender process to supply 200 MW of Solar Tower power to El Paso Electric Company. According to this press, bidders to El Paso Electric's request for proposals are competing on price to supply up to 300 MW of electricity to El Paso Electric. Story at:

<http://www.marketwatch.com/News/Story/Story.aspx?guid=%7B223F8017%2D8274%2D4A92%2DB844%2DBACA1BD841F8%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/2bl5fu>

EnviroMission: <http://www.enviromission.com.au/>

#### **4-2-07 AquaCell Technologies Letter of Intent for Acquisition**

AquaCell Technologies, Inc. announced it has entered into a Letter of Intent to acquire GPM, Inc., manufacturer and patent owner of a stand-alone solar-powered air conditioner, marketed under the name SolCool™. Press at:

<http://www.marketwatch.com/News/Story/Story.aspx?guid=%7BFECCE3B83%2D2E4E%2D41D4%2DA2AC%2DDAB8A15857CF%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/3ckenc>

AquaCell Technologies: <http://www.aquacell.com/>

SolCool™: <http://www.solcool.net/>

February Press at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/partner/story?id=47399> or <http://tinyurl.com/2n32rr>

#### **4-3-07 Evergreen Solar Contract Extension with SunEdison**

Evergreen Solar Inc. announced a major extension of its sales agreement with SunEdison. The extension increases the total value of the contract to over \$510 million, boosting the total value of Evergreen sales agreements announced in the past 16 months to more than \$1 billion. The initial \$200 million agreement was announced in July 2006. Under the contract extension, Evergreen Solar will ship an additional \$316 million of PV modules to SunEdison through 2011. Press at Evergreen Solar:

<http://phx.corporate-ir.net/phoenix.zhtml?c=123321&p=irol-newsArticle&ID=981184&highlight> or <http://tinyurl.com/3bqusz>

#### **4-3-07 Akeena Solar's New Office**

Akeena Solar, Inc. opened a new office in Bakersfield to serve the rapidly growing demand for solar power in California's Central Valley. Press at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/partner/story?id=47984> or <http://tinyurl.com/yoy8uk>

Akeena Solar: <http://www.akeena.net/cm/Home.html>

#### **4-3-07 PV for Winery, California**

Stone Arch Vineyards selected ARAM SOLAR to install a solar power system for their Carmel Valley vineyard. Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/partner/story;jsessionid=41D54EB75DD49CA6160C702E3BF95ABB?id=47986> or <http://tinyurl.com/32zeey>

ARAM SOLAR: <http://www.aramsolar.com/>

#### **4-3-07 WorldWater & Power Results**

WorldWater & Power Corp. announced results for the 4<sup>th</sup> quarter and full year ended 31 December 2006. Press at:

<http://www.marketwatch.com/News/Story/Story.aspx?guid=%7B9DDBEBD0%2DEF61%2D4816%2D965E%2D93BC7B0792E0%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/2qr7dj>

WorldWater & Power: <http://www.worldwater.com/>

#### **4-3-07 Global Solar Award**

Global Solar Energy, Inc. was awarded Manufacturer of the Year by the Arizona Association of Industries.

Press from Global Solar: [http://www.globalsolar.com/storage/aai\\_moy\\_2007.pdf](http://www.globalsolar.com/storage/aai_moy_2007.pdf)

<http://www.globalsolar.com/index.htm>

#### **4-3-07 Germany's Solar Market**

According to this press, Germany is the world's number one market for solar energy, accounting for 55% of global solar electricity production. More on the German market at:

<http://www.marketwatch.com/News/Story/Story.aspx?guid=%7B96B4E250%2D8A9C%2D4D35%2DA5F1%2D88582ACF96A2%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/2oeuht>

#### **4-3-07 Connecticut School's PV System and Monitoring**

Students at Pine Point School in Stonington, Connecticut will be able to use Fat Spaniel's energy monitoring, visualizing, and reporting system to monitor the school's energy use. SolarWrights installed the school's 72-kW rooftop solar electric system, which was formally unveiled at a ceremony led by US Senator Joseph Lieberman. Press at:

<http://www.marketwatch.com/News/Story/Story.aspx?guid=%7B0C7E5862%2D5D1F%2D4062%2D88D6%2D74DA10B2BE8F%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/yqe8v4>

Fat Spaniel, Pine Point System: <http://www.fatspaniel.com/news/PinePoint-033007.html>

SolarWrights: <http://www.solarwrights.com/>

#### **4-3-07 Solar Panels at Coors Field**

Coors Field, the home of the Colorado Rockies, has installed 46 solar panels through a partnership between the Rockies and Xcel Energy. News at: <http://www.koaa.com/news/view.asp?ID=7201>

#### **4-3-07 Carmanah Agreement for Solar-powered Bus Shelters**

Carmanah Technologies announced it has entered a supply agreement with the Tri-County Metropolitan Transportation District of Oregon to provide more than 550 Carmanah i-SHELTER™ solar powered LED bus shelter lighting systems. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR765.htm>

Carmanah: <http://www.carmanah.com/>

TransitLights: <http://www.transitlights.com/>

#### **4-3-07 SEPA SAI Funding [SEPA]**

SEPA announced that it has been selected by the U.S. DOE for Solar America Initiative funding to conduct utility technical outreach over the next 3 years. While the details of the cooperative agreement are still under negotiation, the general scope of work includes development of a Utility Solar Toolkit, and development of one-on-one relationships with key target utilities. More information available through SEPA: <http://www.solarelectricpower.org/>

#### ***In related solar news.***

#### **4-3-07 Bosch Solar Thermal**

The Bosch Group announced that it is significantly expanding its production of solar thermal systems. Bosch's Thermotechnology Division expects sales of more than 150,000 solar collectors in 2007, 60% more than it sold in 2006, and is looking to more than double sales by 2009. Press at:

<http://www.marketwatch.com/News/Story/Story.aspx?guid=%7B273174EE%2D857E%2D4D61%2DA0E6%2D501FAB46C093%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/2hhs9b>

Bosch: <http://www.bosch.us/content/language1/html/index.htm>



#### **4-4 and 5-07 Becancour Silicon High Purity Silicon Sales**

Timminco Limited announced that its wholly owned subsidiary, Becancour Silicon Inc., has reached agreement to sell high purity silicon to a solar cell manufacturer. This agreement represents BSI's second commercial contract for the sale of high purity silicon. Press at: <http://www.marketwatch.com/News/Story/Story.aspx?guid=%7B3FAC0503%2DD303%2D417A%2DBB99%2D167199BD3281%7D&siteid=mktw&dist=nbk&symb=> or <http://tinyurl.com/yqolqz>  
Timminco: <http://www.timminco.com/>

#### **4-4 and 5-07 Sunfilm Tandem Thin Film PV Modules**

Good Energies and NorSun have established Sunfilm AG to manufacture 5.7m<sup>2</sup> tandem thin film PV modules on glass substrates on a production line supplied by Applied Materials, Inc. Story at: <http://www.solarbuzz.com/News/NewsEUMA155.htm>  
Sunfilm: <http://www.sunfilmsolar.com/>  
Good Energies: <http://www.goodenergies.com/>  
NorSun: <http://www.norsuncorp.no/>  
Applied Materials: <http://www.appliedmaterials.com/>

#### **4-4 and 5-07 DCL Going Green, California**

DCL, a provider of supply chain solutions for companies in the technology and healthcare industries, is taking a leadership position in "Going Green" in Silicon Valley. DCL plans to install a 76-kW pilot solar electric system on the roof of its 53,000-square-foot Fremont, California facility later this spring. System design and installation will be completed by REgrid Power Inc. using a proprietary solar electric system from PowerLight. Story at: <http://www.solarbuzz.com/News/NewsNAPR766.htm>  
REgrid Power: <http://www.regrid.com/>  
PowerLight: <http://www.powerlight.com/>

#### **4-4 and 5-07 More on Solar Electricity Cost, PHOTON Consulting**

"By 2010, solar electricity will be produced for \$0.12 per kilowatt-hours (kWh) in Spain, \$0.18 in Southern Germany, and \$0.13 in California. The industry leaders will even be able to produce solar electricity in Spain for as low as \$0.10/kWh, which is equivalent to the delivered cost of electricity from a new coal power plant. These economics could quickly result in a very large market opportunity for solar energy". These are the results of an international study by PHOTON Consulting, which are being presented in Munich. For more about this study, see the solar verlag Press Release 4/4/07 (contact: [bernd.schuessler@solar-verlag.de](mailto:bernd.schuessler@solar-verlag.de)).  
[http://www.photon-expo.com/en/pts\\_2007\\_europe/ssc\\_2007\\_program.htm](http://www.photon-expo.com/en/pts_2007_europe/ssc_2007_program.htm) or  
<http://tinyurl.com/27fpk3>

#### **4-4 and 5-07 Advanced Integrated Inverter and Energy Management Technical Workshop**

To help meet the goals of the Solar America Initiative Advanced Integrated Inverter and Energy Management Technologies Initiative, the U.S. Department of Energy and Sandia National Laboratories are holding a technical workshop to identify and prioritize potential research topics. The workshop is set for 10-11 May 2007, Santa Ana Pueblo, New Mexico. Information at: <http://www.sandia.gov/SAI/Inverterworkshop.htm>  
Solar America Initiative: <http://www.eere.energy.gov/solar/solar%5Famerica/>

#### **4-4 and 5-07 Polysilicon Supply**

See the story "Chinese Solar Companies Claim Polysilicon Shortage is Easing Up" at: [http://biz.yahoo.com/seekingalpha/070404/31549\\_id.html?v=1](http://biz.yahoo.com/seekingalpha/070404/31549_id.html?v=1)

#### **4-4 and 5-07 GT Solar Expansion**

According to this press, the Merrimack town planning board approved GT Solar's plan to more than double its manufacturing plant. Company VP Jim Bosco said construction could begin within three months. Press at:

[http://www.boston.com/news/science/articles/2007/04/04/gt\\_solar\\_expanding\\_adding\\_new\\_jobs/](http://www.boston.com/news/science/articles/2007/04/04/gt_solar_expanding_adding_new_jobs/) or <http://tinyurl.com/2mqxao>  
<http://www.nashuatelegraph.com/apps/pbcs.dll/article?AID=/20070405/BUSINESS/204050327>  
or <http://tinyurl.com/24tq3k>

#### **4-4 and 5-07 Ted Turner Keynote Speaker [SEPA]**

Ted Turner has been confirmed as a keynote speaker at Solar Power 2007. See more at the website for Solar Power 2007: <http://www.solarpowerconference.com/news/news.php?id=25>

<http://www.solarpowerconference.com/conference/schedule/>

DT Solar: <http://www.dtsolar.com/solar/>

#### **4-4 and 5-07 Interview with David Hochschild**

For an interview with David Hochschild on "Where is the Solar Industry Headed?" at

SeekingAlpha, see: [http://biz.yahoo.com/seekingalpha/070405/31601\\_id.html?.v=1](http://biz.yahoo.com/seekingalpha/070405/31601_id.html?.v=1)

PVNow: <http://www.pvnow.com/>

#### **4-4 and 5-07 Solar Decathlon Documentary [solar e-clips]**

A free showing of the documentary film, "Solar Decathlon 2005 – A Solar Village on the National Mall", is scheduled for 12 April at the Pacific Energy Center in San Francisco. A panel of faculty and students from the 2005 Cal Poly and the 2007 Santa Clara University teams will discuss their experience. More at:

[http://www.pge.com/education\\_training/classes/energy\\_efficiency/index.jsp?reqType=detail&ID=2470&db=PEC2470.csv&pageTitle=Class%20Details%20and%20Registration&postback=yes](http://www.pge.com/education_training/classes/energy_efficiency/index.jsp?reqType=detail&ID=2470&db=PEC2470.csv&pageTitle=Class%20Details%20and%20Registration&postback=yes)  
or <http://tinyurl.com/2bfx6z>

[http://www.pge.com/education\\_training/classes/energy\\_efficiency/index.jsp](http://www.pge.com/education_training/classes/energy_efficiency/index.jsp) or

<http://tinyurl.com/2pdxjp> A preview of the film is at: <http://www.rahus.org/products.html>

Solar e-clips: <http://www.californiasolarcenter.org/solareclips/solareclips.html>

Solar Decathlon: [http://www.eere.energy.gov/solar\\_decathlon/about.html](http://www.eere.energy.gov/solar_decathlon/about.html)

#### **4-4 and 5-07 PV Panel Investment Boom**

Per this press, suppliers of PV panels are in the midst of a multiyear investment boom, with an eye toward producing electricity as cheaply as fossil fuel power generation. See the story

"Getting the price right for solar" at CNet News: [http://news.com.com/2100-11392\\_3-6173019.html?part=rss&tag=2547-1\\_3-0-20&subj=news](http://news.com.com/2100-11392_3-6173019.html?part=rss&tag=2547-1_3-0-20&subj=news) or <http://tinyurl.com/2lh264>

#### **4-4 and 5-07 Top Ten Utility Green Power Programs**

See The Green Power Network for the "Top Ten Utility Green Power Programs" (as of December 2006), at: <http://www.eere.energy.gov/greenpower/resources/tables/topten.shtml> or

<http://tinyurl.com/2s8ko2> Related story on FPL's Sunshine Energy Program:

<http://www.marketwatch.com/News/Story/Story.aspx?guid=%7B23CD3786%2D42AD%2D46BC%2DAD68%2DF9D3A3D7F3B7%7D&siteid=mktw&dist=nbk&symb=> or

<http://tinyurl.com/2cgo2z>

FPL: <http://www.fplenergy.com/>

#### **4-4 and 5-07 ASU Alternative Energy Technologies Degree Programs**

Beginning in fall 2007, Arizona State University will offer undergraduate and graduate degree programs focusing on Alternative Energy Technologies. Story at:

<http://www.renewableenergyaccess.com/rea/news/story?id=48006>

ASU: <http://www.poly.asu.edu/technology/esd/>

*In related solar news...*

#### **4-4 and 5-07 Solar Thermal Power Stations [Fraunhofer-Institute]**

See the story "Solar Electricity on a Large Scale, Linear Fresnel Collectors for Solar Thermal Power Stations in a Practice Test" in the press releases at:

[http://www.ise.fraunhofer.de/welcome\\_english.html](http://www.ise.fraunhofer.de/welcome_english.html)

#### **4-6-07 Boer Medal Winner**

Lawrence L. Kazmerski, director of the U.S. Department of Energy's National Center for Photovoltaics, gave the lecture "It's Not Your Father's Solar Anymore" after he received the 2007 Karl Boer Solar Energy Medal of Merit. The medal is awarded every two years to an individual who has made significant pioneering contributions to the promotion of solar energy as an alternate source of energy through research, development or economic enterprise or to an individual who has made extraordinarily valuable and enduring contributions to the field of solar energy in other ways. See the press at:

<http://www.udel.edu/PR/UDaily/2007/apr/boer040607.html>

#### **4-6-07 Eminence Capital Acquisition Letter**

Eminence Capital I Inc. announced that it has entered into a letter of agreement concerning the acquisition of SonnenEnergie GmbH. Press at:

<http://www.marketwatch.com/News/Story/Story.aspx?guid=%7B6C299CF2%2D1D61%2D4ACB%2D862B%2DCF2ABF5B1C52%7D&siteid=mktw&dist=nbk&symb> or <http://tinyurl.com/yvxjdk>

SonnenEnergie: <http://www.sonnen-energie.net/>

#### **4-6-07 Dye Sensitized Solar Cells**

See the article "Taking Nature's Cue for Cheaper Solar Power" regarding dye sensitized solar cells, at Science Daily: <http://www.sciencedaily.com/releases/2007/04/070405171830.htm> or

<http://tinyurl.com/yvaxph>

Nanomaterials Research Centre, Massey University: <http://nrc.massey.ac.nz/>

#### **4-6-07 B-K Lighting PV System, Madera, California**

B-K Lighting unveiled their new 116-kW solar electric system installed by REC Solar, with 680 Mitsubishi Electric modules. The system is expected to supply 2/3 of B-K Lighting's overall electrical energy. Story and photo at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR770.htm>

Additional press: <http://www.centralvalleybusinesstimes.com/stories/001/?ID=4801> or

<http://tinyurl.com/2mmptg>

REC Solar: <http://www.recsolar.com/>

#### **4-6-07 Pacific Power Management PV for Petroleum Headquarters**

Pacific Power Management completed the design and installation of a 132-kW PV system for the Van De Pol Petroleum headquarters in Stockton, California. Story at photo at Solarbuzz:

<http://www.solarbuzz.com/News/NewsNAPR768.htm>

Pacific Power Management: <http://www.pacpower.biz/>

#### **4-6-07 WorldWater & Power PV System for Poultry House**

Delaware Governor Ruth Ann Minner joined dignitaries to officially open a PV project at a poultry house owned by Allen Family Foods, Inc. WorldWater & Power Corp. designed and engineered the \$500,000 PV installation for Allen. Press at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/partner/story?id=48035> or <http://tinyurl.com/ysceuv>

WorldWater & Power Corp.: <http://www.worldwater.com/>



#### **4-6-07 Renewable Energy World**

See the current issue of Renewable Energy World Magazine, including coverage of Photovoltaics and Solar Thermal, at: <http://www.renewable-energy-world.com/currentissue/index.cfm?p=121> or <http://tinyurl.com/y94u9v>

#### **4-6-07 Solar Homes**

McStain Neighborhoods, a Colorado-based homebuilder, will build a total of 42 solar-powered homes at Bradburn Village in Westminster. The systems will be installed by Namasté Solar Electric. Story at: <http://denver.yourhub.com/Louisville/Stories/Business/Real-Estate-Deals/Story~289634.aspx> or <http://tinyurl.com/2zmzrt>

Namasté Solar Electric: <http://www.namastesolar.com/>

Christopherson Homes is the first participant in Roseville Electric's Blueprint for Energy Efficiency and Solar Technology Homes program in California. Press at:

<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=9787722&ResultCategoryType=2,7&NewsPageID=3> or <http://tinyurl.com/3armxm>

Roseville Electric: <http://www.roseville.ca.us/electric/>

#### **4-6-07 Cheap Efficient Solar Power**

See the article "Getting to Cheap Efficient Solar Power", highlighting a study by the University of Massachusetts Amherst, at: <http://www.ccnmag.com/news.php?id=5005>

UMassAmherst: <http://www.umass.edu/newsoffice/newsreleases/articles/50161.php>

#### **4-6-07 New Hampshire RPS**

The New Hampshire House of Representatives approved renewable portfolio standards. The RPS now moves to the Senate where it is expected to pass. Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/news/story?id=48042>

Economic Impact report (pdf):

[http://www.nhbia.org/uploads///File/Environment/UNH\\_RPS\\_Report\\_2007.pdf](http://www.nhbia.org/uploads///File/Environment/UNH_RPS_Report_2007.pdf)

#### **4-6-07 Crystalline Silicon Solar Cells and Modules Workshop**

Information on the "17<sup>th</sup> Workshop on Crystalline Silicon Solar Cells & Modules: Materials and Processes", with the theme "Expanding Technology for a Future Powered by Si PV", set for 5-8 August 2007 in Vail, Colorado, will be available soon at the workshop website.

(16<sup>th</sup> Workshop: [http://www.nrel.gov/silicon\\_workshop/](http://www.nrel.gov/silicon_workshop/))

#### **4-6-07 GreenVest2007**

For information on GreenVest2007, 25-27 June in San Francisco, California, see:

[http://www.terrapinn.com/2007/GV/Custom\\_12817.stm](http://www.terrapinn.com/2007/GV/Custom_12817.stm)

Agenda: <http://www.terrapinn.com/2007/GV/confprog.stm>

#### **4-6-07 PV Workshop, El Centro, California [Solar e-clips]**

A free 3-day PV workshop, Designing and Installing Code-Compliant Photovoltaic Systems, sponsored by the Imperial Irrigation District and taught by Bill Brooks, will be held 18-20 April in El Centro, California.

For details, see: [http://www.solarschoolhouse.org/pdfs/ssh/2007-4\\_IID\\_PVTrainingFlier.pdf](http://www.solarschoolhouse.org/pdfs/ssh/2007-4_IID_PVTrainingFlier.pdf) or

<http://tinyurl.com/25v97u>

Agenda: [http://www.solarschoolhouse.org/pdfs/ssh/2007-4\\_Agenda\\_IID\\_PV\\_workshops.pdf](http://www.solarschoolhouse.org/pdfs/ssh/2007-4_Agenda_IID_PV_workshops.pdf) or

<http://tinyurl.com/yxccc>

Solar e-Clips: <http://www.californiasolarcenter.org/solareclips/solareclips.html> or <http://tinyurl.com/yofg2q>

#### **4-6-07 Education Center PV, India**

The 4.1-kW PV system installed in 1999 at the Renewable Energy Centre, Mithradham in India is powering 40 rooms of the educational institution, which is devoted to awareness, training and education in renewable energy technologies. The system has been functioning without problems in spite of long monsoon periods.

The system was installed by Wuerth Solergy, Germany. [Information from Prof. Dr. George Peter, Director, <http://mithradham.org>]

Wuerth Solergy: <http://www.wuerth-solergy.de/website/frames,LA,DE,KA,6.php> or <http://tinyurl.com/26e7qt>

#### **4-6-07 Research and Markets PV Report**

The report, Solar Photovoltaic Market Potential, from Research and Markets examines PV technology and focuses on various technical, economic, and commercial aspects. Press at:

[http://www.researchandmarkets.com/product/232773/solar\\_photovoltaic\\_market\\_potential](http://www.researchandmarkets.com/product/232773/solar_photovoltaic_market_potential) or  
<http://tinyurl.com/349bwp>

#### ***In related solar news...***

#### **4-6-07 Solar America Initiative Funding Opportunity Announcement for Concentrated Solar Power Topics**

For the Notice of Planned SAI FOA for Concentrated Solar Power topics, see:

<http://www.fbo.gov/spg/DOE/PAM/HQ/DOE%2DSNOTE%2D070405%2D001/listing.html> or  
<http://tinyurl.com/2w34pz>  
<http://www.fbo.gov/spg/DOE/PAM/HQ/DOE%2DSNOTE%2D070405%2D001/Synopsis.html> or  
<http://tinyurl.com/2tvurt>  
<http://e-center.doe.gov/doebiz.nsf/UNID/406B1EC7CD634A8E852572B4006E94E8?OpenDocument> or  
<http://tinyurl.com/2ukrx5>

Solar America Initiative: [http://www.eere.energy.gov/solar/solar\\_america/](http://www.eere.energy.gov/solar/solar_america/)